

97. (Amended) A cage carbon allotrope consisting solely of carbon atoms that is isolated from a sooty carbon product formed from the vaporization of carbon in the presence of an inert quenching gas as a visible product, said allotrope of carbon being neither graphite nor diamond, and said allotrope of carbon being soluble in non-polar organic solvents.

99. (Amended) A solid carbon product prepared by the process comprising:

- (a) vaporizing elemental carbon in the presence of an inert quenching gas under conditions effective to provide a sooty carbon product comprising fullerene molecules;
- (b) depositing the sooty carbon product on a collecting substrate;
- (c) removing the sooty carbon product comprising fullerene from the sooty carbon product;
- (d) subliming the carbon product comprising fullerene from the sooty carbon product; and
- (e) condensing the sublimed carbon product and recovering therefrom a solid carbon product being substantially a fullerene.

100. (Amended) The solid carbon product of Claim 98 or 99 wherein the process further comprises:

- (f) purifying the carbon product of step (e).

Please add Claims 104-106 as follows:

- -104. (New) A fullerene present in amounts sufficient to be visible.
- 105. (New) A visible amount of fullerene in solid form.
- 106. (New) A visible amount of fullerene produced by vaporizing carbon in the presence of an inert quenching gas to produce a sooty carbon product comprising fullerene